

## ABSTRACT OF THE DISCLOSURE

The invention provides a motion vector conversion method by which the coding efficiency in image coding of MPEG4 in an image information conversion method can be further augmented. In the motion vector conversion method for an image information conversion method, every other one of P frames of a bit stream of MPEG2 is dropped to produce a bit stream of MPEG4 of a reduced frame rate and a low bit rate. Also for motion vector modification, information of each of macro blocks and between blocks in the inputted bit stream representative of image compression information of MPEG2 is stored in advance, and motion vectors of a P frame immediately preceding to each P frame to be dropped are duplicated based on the stored information. Then, the duplicated motion vectors are extended to twice in the temporal direction to produce motion vectors of MPEG4 converted from an intra-frame of MPEG2.